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| Aaron Pazdera  (715)-977-1241  aarpazdera@gmail.com · [Github](https://github/): apaz-cli |

# Education

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| August 2017 – **May** 2021Applied math//Computer science (Software Development), **UW-Stout** Relevant Coursework:  Machine Learning, Human-Computer Interaction, Advanced Web and Internet Programming, Real Analysis, Software Engineering Capstone, Software Engineering Practicum, Numerical Analysis, Systems Programming, Abstract Algebra, Software Engineering, Statistics, Computer Architecture, Calculus I - III, Linear Algebra, Proofs, Formal Languages and Finite Automata, Data Structures, Algorithms, Networking, Web Design, Database Systems |

# Skills

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| * Thousands of hours spent programming in  C/C++, Java, and Python * Machine Learning (AI, ML)/Computer Vision (CV) algorithms, Data Analysis techniques | * Experience working on a scrum team, dealing with customers and vendors * Linux systems, Git CLI, MySQL, NoSQL |

# Projects

I spend a lot of my free time programming. Please see [https://apaz-cli.github.io](https://apaz-cli.github.io/) for my portfolio, which explains my projects in much greater depth. It has many projects on it, including:

* A perceptual image hashing framework
* An implementation of the Google Brain AI team’s “MLP-Mixer architecture for Computer Vision”
* A machine learning based perceptual image hash algorithm
* A computational geometry data structure for fast nearest-neighbor lookup in C
* Two Discord bots
* A brainfuck compiler and interpreter (BF is an intentionally confusing programming language)
* A memory debugger and a threadpool implementation in C

# RELEVANT Experience

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| June 2020 – September 2020Research student **UW-Stout** Over the summer I did economic modeling research for Dr. John Stinespring of the University of Tampa with 5 other classmates. We worked on it 8 hours a day for most of the summer and arranged ourselves in much the same way as a scrum team. The experience was equivalent to an internship. June 2018 – September 2019Cashier **Family Fresh Market** Originally hired as a cashier, I worked nearly every position in the store. Opening, closing, and overnights across most departments. |